

AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph on page 17, lines 13-25, as follows:

Various methods for the preparation of antibodies are well known in the art. For example, antibodies may be prepared by immunizing a suitable mammalian host using a PHELIX protein, peptide, or fragment, in isolated or immunoconjugated form (Antibodies: A Laboratory Manual, CSH Press, Eds., Harlow, and Lane (1988); Harlow, Antibodies, Cold Spring Harbor Press, NY (1989)). In addition, fusion proteins of PHELIX may also be used, such as a PHELIX GST-fusion protein. In a particular embodiment, a GST fusion protein comprising all or most of the open reading frame amino acid sequence of FIG. 2 (SEQ ID NO. 2) may be produced and used as an immunogen to generate appropriate antibodies. In another embodiment, a PHELIX peptide may be synthesized and used as an immunogen. As described in Example 5, below, the 15-mer PHELIX peptide HSSKEKLRERIKYC (positions 140-154 of SEQ ID NO:2) was conjugated to keyhole limpet hemocyanin (KLH) and used to immunize a rabbit. The resulting polyclonal antiserum specifically recognized PHELIX expressed in a recombinant mammalian expression system.

Please amend the paragraph on page 31, lines 10-25, as follows:

Adaptor 1 (~~SEQ ID NO. 6~~):

5'CTAATACGACTCACTATAGGGCTCGAGCGGCCCGCCCGGGCAG3' (SEQ ID NO. 6)

3'GGCCCGTCCTAG5' (SEQ ID NO. 15)

Adaptor 2 (~~SEQ ID NO. 7~~):

5'GTAATACGACTCACTATAGGGCAGCGTGGTCGCGGCCGAG3' (SEQ ID NO. 7)

3'CGGCTCCTAG5' (SEQ ID NO. 16)